1	CLAIMS								
2	We claim:								
3	1. A device for clamping and cutting an umbilical cord, said device								
4	comprising:								
5	a first shell;								
6	a second shell movably connected to said first shell;								
7	a blade depending from said first shell, said blade having a first side and a								
8	second side;								
9	a cutting support depending from said second shell;								
10	a clamping member depending from said first shell, said clamping member								
Ē	being located on said first side of said blade; and								
12	a removable clamp engageable with said first and second shells, said								
1 3	removable clamp being located on said second side of said blade;								
	said device being capable of receiving the umbilical cord adjacent said cutting								
<u>1</u> 5	support;								
15 06 07 07 18	said first and second shells being capable of closing movement such that								
<u>1</u> 7	(a) said clamping member will compress the umbilical cord in								
□ ⊨18	cooperation with said second shell on said first side of said blade,								
19	(b) said removable clamp will compress the umbilical cord on said								
20	second side of said blade, and								
21	(c) said blade will sever the umbilical cord in cooperation with said								
22	cutting support;								
23	said removable clamp being separable from said first and second shells after								
24	the umbilical cord is severed.								
25	2. The device of claim 1 wherein said first shell, said second shell, said								
26	cutting support, and said clamping member comprise a single integral structure.								

- 1 3. The device of claim 2 wherein said single integral structure comprises
 2 a polycarbonate material.
 3 4. The device of claim 1 further comprising a latch for holding said first
 4 and second shells in a closed position after the umbilical cord is severed.
 5 The device of claim 1 further comprising a first guide depending from
 6 said first shell and a second guide depending from said second shell wherein said
 - said first shell and a second guide depending from said second shell wherein said first and second guides cooperate to hold said first and second shells in a partially open initial position for receiving the umbilical cord.
 - 6. The device of claim 1 wherein said cutting support comprises a pair of walls separated by a gap into which said blade may pass as the umbilical cord is being severed.
 - 7. The device of claim 1 further comprising at least one lateral constraint depending from said second shell for limiting lateral movement of the umbilical cord as the umbilical cord is being severed.
 - 8. The device of claim 1 wherein said removable clamp resembles the head of an animal.
 - 9. The device of claim 8 wherein said removable clamp resembles the head of a koala bear.
 - 10. The device of claim 1 wherein each of said first and second shells has an exterior surface and wherein at least one of said first and second shells comprises a plurality of protrusions on its exterior surface to assist a user in grasping said device.
 - 11. The device of claim 1 wherein each of said first and second shells has an exterior surface and wherein at least one of said first and second shells comprises a plurality of recesses on its exterior surface to assist a user in grasping said device.

- 12. The device of claim 1 wherein at least one of said first and second shells comprises a flexible shelf for engaging said removable clamp.
- 13. The device of claim 1 wherein said second shell comprises a plurality of ridges for cooperation with said clamping member to compress the umbilical cord.
- 14. The device of claim 1 wherein said clamping member comprises a plurality of teeth for engaging the umbilical cord.
- 15. The device of claim 1 wherein said removable clamp comprises a clamp body, a strap, a hinge connecting said clamp body to said strap, and a latch for holding said clamp body and said strap in a closed position with the umbilical cord compressed between said clamp body and said strap.
- 16. The device of claim 15 wherein said clamp body comprises a corrugated clamping surface for engaging the umbilical cord.
- 17. The device of claim 15 wherein said strap comprises a plurality of ridges for engaging the umbilical cord.
- 18. The device of claim 15 wherein said removable clamp further comprises a closeout adjacent said hinge to prevent the umbilical cord from binding in said hinge.
- 19. The device of claim 15 wherein said clamp body comprises a recess in which a transmitter is installed for transmitting a signal that may be used to track the location of said removable clamp.
- 20. The device of claim 1 wherein said removable clamp comprises a polycarbonate material.

1	21. A device for clamping an umbilical cord, said device comprising:								
2	a clamp body having a face surface, a back surface, and an arcuate clamping								
3	surface;								
4	an arcuate strap;								
5	a hinge connecting said clamp body to said strap; and								
6	a latch for holding said clamp body and said strap in a closed position with								
7	umbilical cord compressed between said clamping surface and said strap.								
8	22. The device of claim 21 wherein said clamp body resembles the head of								
9	an animal.								
10	23. The device of claim 22 wherein said clamp body resembles the head of								
Ħ	a koala bear.								
# # # # # # # # # # # # # # # # # # #	24. The device of claim 22 wherein said face surface comprises indicia of								
‡ 3	facial features of said animal.								
14	25. The device of claim 22 wherein said hinge forms an ear of said animal								
15	when said device is in said closed position.								
16 17 18	26. The device of claim 21 wherein said back surface comprises a recess								
7	capable of receiving a transmitter for transmitting a signal that may be used to								
1 8	track the location of said device.								
19	27. The device of claim 21 wherein said clamping surface comprises a								
20	plurality of corrugations.								
21	28. The device of claim 21 wherein said strap comprises a plurality of								
22	ridges for engaging the umbilical cord.								
23	29. The device of claim 21 further comprising a closeout adjacent said								
24	hinge to prevent the umbilical cord from binding in said hinge.								
25	30. The device of claim 21 wherein said clamp body, said strap, said hinge,								
26	and said latch comprise a single integral structure.								

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The device of claim 30 wherein said single integral structure comprises 31. a polycarbonate material.

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32.	A	device	for	clamping	and	cutting	an	umbilical	cord,	said	device
comprising:											

a first shell comprising an exterior surface with a first plurality of protrusions for helping to grasp said device, a first flexible shelf for engaging a removable clamp, and a first guide depending from said first shell;

a second shell comprising an exterior surface with a second plurality of protrusions for helping to grasp said device, a second flexible shelf for engaging a removable clamp, a plurality of interior ridges for engaging the umbilical cord, a catch protruding toward the interior of said second shell, and a second guide depending from said second shell;

a first hinge connecting said first and second shells, said first hinge permitting movement of said first and second shells between an open position and a closed position;

a blade depending from said first shell, said blade having a first side and a second side:

a cutting support depending from said second shell, said cutting support comprising a pair of walls separated by a gap into which said blade may pass as said first and second shells are moved from said open position to said closed position;

at least one lateral constraint depending from said second shell for limiting lateral movement of the umbilical cord;

a clamping member depending from said first shell and being located on said first side of said blade, said clamping member comprising a plurality of teeth for engaging the umbilical cord and at least one tab for engagement with said catch to hold said first and second shells in said closed position; and

a removable clamp engageable with said first and second shells, said removable clamp being located on said second side of said blade and comprising

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1	a clamp body having a face surface, a back surface, and a corrugated
2	clamping surface, said clamp body having a shape resembling the head of a koala
3	bear, said face surface having indicia of facial features of a koala bear;
4	a strap having a plurality of ridges for engaging the umbilical cord;
5	a second hinge connecting said clamp body to said strap;
6	a closeout depending from said strap adjacent said second hinge to
7	prevent the umbilical cord from binding in said second hinge; and
8	a latch for holding said clamp body in engagement with said strap
9	with the umbilical cord compressed between said clamping surface and said strap;
10	said device being capable of receiving the umbilical cord adjacent said cutting
Ţ	support;
12	wherein, as said first and second shells are moved from said open position to
112 13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	said closed position,
14	(a) said clamping member will compress the umbilical cord in
T 5	cooperation with said second shell on said first side of said blade,
1 6	(b) said removable clamp will compress the umbilical cord on said
7	second side of said blade,
16 17 18 18	(c) said blade will sever the umbilical cord in cooperation with said
19	cutting support, and
20	(d) said first and second guides cooperate to inhibit torsional
21	displacement of said first and second shells;
22	wherein said removable clamp is separable from said first and second shells
23	after the umbilical cord is severed.
24	33. The device of claim 32 wherein said first shell, said second shell, said
25	first hinge, said cutting support, said at least one lateral constraint, and said
26	clamping member comprise a first integral structure and wherein said removable
27	clamp comprises a second integral structure.

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- The device of claim 33 wherein said first and second integral 34. structures comprise a polycarbonate material.
- The device of claim 32 wherein said back surface of said clamp body **35**. comprises a recess in which a transmitter is installed for transmitting a signal that may be used to track the location of said removable clamp.